

**10/577398**

**AP20 Rec'd PCT/PTO 27 APR 2006**

**IN THE UNITED STATES PATENT AND TRADEMARK OFFICE**

**ATTORNEY DOCKET NO. 016778-0507**

Applicant: Koichi TAKEDA

Title: SEMICONDUCTOR MEMORY DEVICE

Appl. No.: Unassigned

Filing Date: 04/27/2006

Examiner: Unassigned

Art Unit: Unassigned

**INFORMATION DISCLOSURE STATEMENT**  
**UNDER 37 CFR §1.56**

Commissioner for Patents  
P.O. Box 1450  
Alexandria, VA 22313-1450

Sir:

Submitted herewith on Form PTO/SB/08 is a listing of documents known to Applicant in order to comply with Applicant's duty of disclosure pursuant to 37 CFR §1.56.

A copy of each non-U.S. patent document and each non-patent document is being submitted to comply with the provisions of 37 CFR §1.97 and §1.98.

The submission of any document herewith, which is not a statutory bar, is not intended as an admission that such document constitutes prior art against the claims of the present application or that such document is considered material to patentability as defined in 37 CFR §1.56(b). Applicant does not waive any rights to take any action which would be appropriate to antedate or otherwise remove as a competent reference any document which is determined to be a *prima facie* art reference against the claims of the present application.

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**TIMING OF THE DISCLOSURE**

The listed documents are being submitted in compliance with 37 CFR §1.97(b), within three (3) months of the date of entry of the national stage as set forth in 37 CFR §1.491.

**RELEVANCE OF EACH DOCUMENT**

Any document listed on the attached PTO/SB/08 was cited as being relevant during the prosecution of the corresponding International application. A copy of the International Search Report is attached setting forth the portion of each document considered relevant by the examiner. The absence of a translation does not relieve the PTO from its duty to consider any submitted document (37 CFR §1.98 and MPEP §609).

Applicant respectfully requests that each listed document be considered by the Examiner and be made of record in the present application and that an initialed copy of Form PTO/SB/08 be returned in accordance with MPEP §609.

Although Applicant believes that no fee is required for this Request, the Commissioner is hereby authorized to charge any additional fees which may be required for this Request to Deposit Account No. 19-0741.

Respectfully submitted,

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David A. Blumenthal  
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April 27, 2006

Date

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| Substitute for form 1449B/PTO                        |   |    |   | Complete if Known      |                     |
| <b>INFORMATION DISCLOSURE STATEMENT BY APPLICANT</b> |   |    |   | Application Number     | Unassigned 47277398 |
| Date Submitted: April 27, 2006                       |   |    |   | Filing Date            | 04/27/2006          |
| (use as many sheets as necessary)                    |   |    |   | First Named Inventor   | Koichi TAKEDA       |
| Sheet  | 1 | of | 1 | Group Art Unit         | Unassigned          |
|  |   |    |   | Examiner Name          | Unassigned          |
|  |   |    |   | Attorney Docket Number | 016778-0507         |

| U.S. PATENT DOCUMENTS |                       |                      |                                   |   |  |   |
|-----------------------|-----------------------|----------------------|-----------------------------------|---|--|---|
| Examiner Initials*    | Cite No. <sup>1</sup> | U.S. Patent Document |                                   | Name of Patentee or Applicant of Cited Document | Date of Publication of Cited Document MM-DD-YYYY | Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear |
|                       |                       | Number               | Kind Code <sup>2</sup> (if known) |   |  |   |
| A1                    | 4,723,229             |                      |                                   | HARTGRING et al.                                | 02-02-1988                                       |   |
| A2                    | 5,831,896             |                      |                                   | LATTIMORE et al.                                | 11-03-1998                                       |   |
|                       |                       |                      |                                   |   |  |   |
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|                       |                       |                      |                                   |   |  |   |
|                       |                       |                      |                                   |   |  |   |

| U.S. PATENT APPLICATION DOCUMENTS |                       |                                  |                                   |   |  |   |
|-----------------------------------|-----------------------|----------------------------------|-----------------------------------|---|--|---|
| Examiner Initials*                | Cite No. <sup>1</sup> | U.S. Patent Application Document |                                   | Name of Patentee or Applicant of Cited Document | Filing Date of Cited Document MM-DD-YYYY | Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear |
|                                   |                       | Serial Number                    | Kind Code <sup>2</sup> (if known) |   |  |   |
|                                   |                       |                                  |                                   |   |  |   |
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| FOREIGN PATENT DOCUMENTS |                       |                         |                     |                                   |  |  |   |                |
|--------------------------|-----------------------|-------------------------|---------------------|-----------------------------------|--|--|---|----------------|
| Examiner Initials*       | Cite No. <sup>1</sup> | Foreign Patent Document |                     |                                   | Name of Patentee or Applicant of Cited Documents | Date of Publication of Cited Document MM-DD-YYYY | Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear | T <sup>6</sup> |
|                          |                       | Office <sup>3</sup>     | Number <sup>4</sup> | Kind Code <sup>5</sup> (if known) |  |  |   |                |
| A3                       | JP                    | 61-026997               |                     |                                   | TOSHIBA CORPORATION                              | 02-06-1986                                       |   | Abst.          |
| A4                       | JP                    | 61-188795               |                     |                                   | PHILIPS  | 08-22-1986                                       |   | Abst.          |
| A5                       | JP                    | 04-085789               |                     |                                   | NEC CORPORATION                                  | 03-18-1992                                       |   | Abst.          |
| A6                       | JP                    | 07-230692               |                     |                                   | FUJITSU LTD.                                     | 08-29-1995                                       |   | Abst.          |
| A7                       | JP                    | 10-188570               |                     |                                   | IBM CORPORATION                                  | 07-21-1998                                       |   | Abst.          |
| A8                       | JP                    | 11-017025               |                     |                                   | TOSHIBA KK                                       | 01-22-1999                                       |   | Abst.          |

| NON PATENT LITERATURE DOCUMENTS |                       |  |  |  |  |  |                |
|---------------------------------|-----------------------|--|--|--|--|--|----------------|
| Examiner Initials*              | Cite No. <sup>1</sup> | Include name of the author (in CAPITAL LETTERS), title of the article (when appropriate), title of the item (book, magazine, journal, serial, symposium, catalog, etc.) date, page(s), volume-issue number(s), publisher, city and/or country where published. |  |  |  |  | T <sup>6</sup> |
|                                 |                       |  |  |  |  |  |                |
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|--------------------|-----------------|
| Examiner Signature | Date Considered |
|--------------------|-----------------|

\*EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.

<sup>1</sup> Unique citation designation number. <sup>2</sup>See attached Kinds of U.S. Patent Documents. <sup>3</sup>Enter Office that issued the document, by the two-letter code (WIPO Standard ST.3). <sup>4</sup>For Japanese patent documents, the indication of the year of the reign of the Emperor must precede the serial number of the patent document.

<sup>5</sup>Kind of document by the appropriate symbols as indicated on the document under WIPO Standard ST. 16 if possible. <sup>6</sup>Applicant is to place a check mark here if English language Translation is attached.

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